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TITLE: ULTRASONIC MOTOR
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INVENTOR-INFORMATION:

NAME

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ABSTRACT:

PURPOSE: To obtain a general use ultrasonic motor having high performance by taking out rotary drive force from a shaft arranged on a rotor.

CONSTITUTION: An ultrasonic motor comprises a cap 10, a rotor 15, a stator 20, and the like. The rotor 15 has a shaft 16 and pressure contacting with the stator section 20 through a belleville spring 17 and a bearing 18. The stator section 20 comprises a piezoelectric ceramic element 11 for longitudinal vibration, a piezoelectric ceramic element 12 for torsional vibration, a rear mass 13, and a head mass 14. Rotary force can be transmitted through a gear

arranged on the shaft 16.

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